UNITED STATES DEPARTMENT OF AGRICULTURE
Agricultural Marketing Service

cooperating with

IOWA DEPARTMENT OF AGRICULTURE
Division of Agricultural Statistics

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Iowa State College Extension Service

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IOWA AGRICULTURAL STATISTICS

WINNEBAGO COUNTY

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County Statistical Bulletin

No. 31

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Office of the Agricultural Statistician
305 United States Court House
Des Moines, Iowa

IOWA CROP AND LIVESTOCK REPORTING SERVICE
Division of Agricultural Statistics
Leslie M. Carl, Director

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IOWA STATE COLLEGE EXTENSION SERVICE
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AGRICULTURAL STATISTICS - WINNEBAGO COUNTY

County Statistical Bulletin No. 31

TABLE NO. LIST OF TABLES PAGE NO.

FOREWORD

The Iowa Crop and Livestock Reporting Service is the Iowa unit of a nation-wide organization which is entrusted with the responsibility of operating a standard statistical service for agriculture. The Division of Agricultural Statistics is a division of the Iowa State Department of Agriculture working in cooperation with the Agricultural Marketing Service of the United States Department of Agriculture. The year 1939 marked the one-hundredth anniversary of the collection of statistics of agriculture in the United States.

The general program of the Iowa Crop and Livestock Reporting Service is to meet the public needs and demands for summary data of an historical nature and for current statistical information of agricultural production in Iowa and the United States.

In recent years, there has been an increasing demand from agricultural organizations, commercial interests, teachers, legislators, and county, state and governmental agencies for agricultural data showing the trends of change in counties. Little has been done in the past to make available data for each county over an extended period of time. So urgent is the need for county data that some organizations have assembled such information at considerable cost. It is in response to these needs that this series is being issued.

The county data herein offered have been assembled from existing State and Federal documents and reports, under the supervision of Norman V. Strand, State-wide Work Projects Administration Supervisor of Agricultural Economics and Statistics projects. This is a report of work completed on Official Project 65-1-72-155 of the Work Projects Administration. Official Project 665-72-3-36 furnished the material for Tables 21 and 23.

The Iowa Agricultural Extension Service participated in the preparation of the materials in this report. Selected data from the files of the Iowa Agricultural Experiment Station have been released for publication in this series. Special credit is given to the Iowa assessors and tax officials who collect data on crops and livestock as required under the Iowa laws. Without these data by townships and counties detailed agricultural statistics would be less accurate and less complete.

Leslie M. Carl, Director
Division of Agricultural Statistics

Des Moines, Iowa
November, 1940

IOWA AGRICULTURAL STATISTICS - WINNEBAGO COUNTY

Winnebago County, originally a part of old Fayette County, was established with its present boundaries in 1851. It was named for the Winnebago Indian tribe, which at one time occupied a portion of northern Iowa.

George W. Thomas was the first white settler in the county. In 1855, he took a claim and settled at Rice Lake. Later in the same year, John Mabin made a claim on the east side of Lime Creek where Forest City now stands. During the next year, many families made settlements in various parts of the county. In 1857, several Norwegian families arrived and were later joined by many more of their countrymen. In 1856, Judge Robert Clark platted Forest City on the west bank of Lime Creek, half a mile from the southern boundary of the county. The county was formally organized in the fall of 1857, and in 1858 the county-seat was located at Forest City. 1/

The Minneapolis and St. Louis Railroad was the first railroad in the county. The first train ran through Forest City in December, 1879. 2/

Area

Winnebago County is 17 by 24 miles in extent, embracing 399 square miles 3/, or 255,360 acres. Of this number, 251,611 acres are farm land. 4/ There are twelve townships in the county and it ranks sixty-seventh in point of size in the State, sharing this place with Worth County.

Soils

The soils of Winnebago County are grouped into three classes according to their origin and location; namely, drift, terrace, and swamp and bottomland. The drift soils cover 83.9 percent of the county and are divided into Clarion loams--73.2 percent, and Webster clay loam--10.7 percent. The terrace soils cover 2.5 percent of the surface and are divided into Waukesha loam--1.7 percent, and Fargo silt loam--0.8 percent. The swamp and bottomland soils cover 13.6 percent of the area and are divided into muck--5.2 percent, Lamoure silt loam--5.2 percent, peat--2.7 percent, and meadow--0.5 percent. 5/

Topography

The topography of the western part of the county, as a whole, is almost level to gently rolling. The hills are low and rounded and the general slope of this upland plain is toward the southwest. In the eastern part of the county, the topography is strongly rolling to moderately hilly.

1/ Gue, B. F., History of Iowa. Vol. III, pp. 429-430. The Century History Co., New York City, 1903.

2/ History of Winnebago and Hancock Counties, Iowa. Vol. I, p. 91. The Pioneer Publishing Co., Chicago, Illinois. 1917.

3/ United States Bureau of the Census. Fifteenth Census of the United States: 1930. Populations. Vol. I, pp. 362-363.

4/ United States Bureau of the Census. United States Census of Agriculture: 1935. Iowa. p. 17.

5/ Iowa Agricultural Experiment Station. Soil Survey of Iowa, Winnebago County. Soil Survey Report No. 23: 10-11. 1922.

This topographic condition is called morainic topography and is characterized by knobby, morainic hills and ridges with more or less sharply defined outlines. These hills and ridges are irregular in distribution. They are most pronounced in the vicinity of Forest City and north of Lake Mills. The drainage of the entire county is inadequate; most of the streams flow through the western part of the county. Lime Creek flows across the county from north to south, but has few important tributaries. In the southeastern part of the county Beaver Creek is the only stream of any consequence which provides any natural drainage. 6/

Climate

The average temperature for 10 years (1930-1939) was 44.8 degrees. 7/ The average precipitation for 52 years (1878-1930) was 29.33 inches, and the growing season averaged 151 days between the killing frost dates of May 3 and October 1 recorded from 1894 to 1930. 8/

Population

Winnebago County has experienced a rather slow but steady population growth. The number of inhabitants has decreased somewhat since 1920, but the decline is not serious. In 1930 it had a density of 33 persons per square mile, as compared with the State density of 44. The following table shows the number of inhabitants recorded at 10-year intervals:

Year	Inhabitants	Urban	Rural
1860	168	-	-
1870	1,562	-	-
1880	4,917	-	-
1890	7,325	-	-
1900	12,725	4,591	8,134
1910	11,914	4,475	7,439
1920	13,489 9/	5,690 10/	7,799
1930	13,143 11/	5,433	7,710
1935	-	-	8,366 12/

In 1930 the foreign born and native white inhabitants of foreign born or mixed parentage totaled 7,049, or 53.6 percent of the total population. Of this number, those of Norwegian descent led with 4,675, the Germans had

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6/ Iowa Agricultural Experiment Station. Soil Survey of Iowa, Winnebago County. Soil Survey Report No. 23; 8-9, 1922.

7/ Reed, Chas. D., Sr. Meteorologist. United States Weather Bureau, Des Moines, Iowa. Unpublished data.

8/ United States Weather Bureau. Climatic Summary of the United States from establishment of stations to 1930, inclusive. Section 52--Eastern Iow. pp. 17,27. 1933.

9/ Census of Iowa. 1925. pp. 716-717. 1926.

10/ Ibid. pp. 925 et seq.

11/ Iowa Official Register, 1937-1938. Thirty-seventh Number. pp. 368 et seq.

12/ United States Bureau of the Census. United States Census of Agriculture: 1935. Iowa. p. 17.

1,206 and the Swedes had 390. Other nationalities had very small representations. 13/

Cooperatives

In 1937 there were 21 cooperative institutions in operation in this county--8 elevators, 8 creameries, 1 livestock enterprise, 3 petroleum plants and 1 lumber yard.

As a whole, they had 5,403 members, of which 4,866 were active, and 8,623 persons did business with the 21 concerns. The selling cooperatives had a business volume of $2,240,989 and the purchasing cooperatives transacted $609,463 worth of business.

Cooperatives may both buy and sell or they may perform one or the other function exclusively. Purchasing cooperatives buy non-farm commodities for distribution to their members and patrons, and selling cooperatives market farm commodities for their members and patrons. 14/

Fruit

The record year for apples was 1909, when 22,324 trees and 19,721 bushels were recorded. In 1934, there were only 13,505 trees and 2,864 bushels. Peaches and cherries have never been of any consequence. In 1894, the peak year for plums, 12,645 trees and 1,570 bushels were listed. The greatest number of grape vines, 11,605, was reported in 1894, but the greatest production, 42,442 pounds, was recorded in 1909. 15/

13/ United States Bureau of the Census. Fifteenth Census of the United States: 1930. Populations. Vol. III, Part 1, Tables 18-19. pp.785-788.

14/ Unpublished data from: Omaha Farm Credit Administration and Iowa State College.

15/ Sources: 1. Census of Iowa. 1875, 1885, 1895.
2. United States Bureau of the Census. Thirteenth Census of the United States: 1910. Agriculture: Iowa. Bulletin.
3. United States Bureau of the Census. United States Census of Agriculture: 1935. Iowa Statistics by Counties, Second Series. 1936.

Note Regarding Yields of Corn

The crop assessors' statistical breakdown for corn acreage is as follows: (1) all corn, (2) corn husked for grain, (3) corn cut for silage, (4) corn cut for fodder and (5) corn hogged off. A total production is given for each farm which includes only that actually husked. In getting county totals of production, the acreage other than that husked is multiplied by the yield (derived by dividing total bushels corn husked by total acres husked) and added to summations of individual farm productions shown as husked. This assumes that acreage not husked would have produced the same yield as that actually husked.

In 1934 and 1936, both poor crop years, separate estimations of corn yield on acreage not husked were made by the state assessors' office because it was felt that farmers in those years would select their best acreages for husking and cut or hog off the rest, which would have a different and lower yield. This separate yield estimation was then multiplied by the acreage not husked and the total added to that reported as husked.

This was done by counties only and not by townships. The township yields for these two years, then, are somewhat high since they are based only on acreage husked for grain and bushels husked. The total corn acreage is shown by township with this yield, and any attempt to multiply it by the acreage shown to get total production will result in a too high figure. The county summary table figures for corn yield in 1934 and 1936 have been adjusted for poorer yields on that acreage not husked and these yields may legitimately be multiplied by the acreages shown there to arrive at total productions for the county.

In all other years actual township productions may be derived from the yield and acreage figures shown in the tables since corn yield has been assumed to be equal in all utilizations. The county yield and township yields are, therefore, consistent in all years except 1934 and 1936.

TABLE 1
LAND UTILIZATION AND YIELDS, 1929-1938
County Summary

Year	No. Farms	Acreage in Farms	Ave. Farm Size	CORN		OATS		BARLEY		RYE	
				Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.
1929	1568	250784	160	78705	39	57255	39	11348	31	539	16
1930	1593	247664	155	81622	36	58726	39	7575	28	852	14
1931	1609	250253	156	86984	34	58613	35	4638	27	344	17
1932	1613	249026	154	85936	42	61110	37	5064	25	82	11
1933	1615	250668	155	86730	44	65202	22	3832	17	106	12
1934	1627	251421	154	69104	32	61047	22	2988	17	313	9
1935	1639	251030	153	74256	44	67589	45	4637	33	192	19
1936	1642	252665	154	81812	22	61983	32	2097	20	278	14
1937	1652	252117	153	83977	38	63115	49	2129	32	513	18
1938	1653	251876	152	76574	50	61460	36	1823	28	254	16
10Yr.Ave.	1621	250749	155	80570	38	61610	36	4613	27	347	15

Year	FLAXSEED		SOYBEANS		GRASS SEED			TAME HAY	
	Acres	Ave. Yld.	Acres	Ave. Yld.	Timothy Acres	Red & Alsike Clover Acres*	Sweet Clover Acres	Alfalfa Acres*	All Tame Hay Acres
1929	729	9	15	17	68	53	69	3865	17555
1930	1180	12	3	7	92	-	25	4428	16311
1931	786	7	8	17	52	-	35	5614	16424
1932	643	8	21	8	59	22	2	7096	16358
1933	336	5	48	15	15	82	91	9065	17060
1934	485	7	135	12	4	-	115	8830	22271
1935	294	11	116	17	70	15	168	10795	18845
1936	208	7	77	14	20	30	185	12670	18937
1937	289	14	218	12	68	-	66	14644	19753
1938	266	11	265	17	-	-	88	12929	20466
10Yr.Ave.	522	9	91	14	45	20	84	8994	18398

Year	Wild Hay Acres	All Pasture Acres	All Other Crops Acres	Buildings, Feedlots, Highways Acres	Woodlots for Timber only Acres	Waste-land Acres	Idle Crop Land Acres
1929	9163	50521	3280	15202	814	4536	985
1930	9266	50212	2613	15116	533	2942	596
1931	8813	50873	3341	15587	468	3015	272
1932	7919	49333	2478	15127	532	3514	848
1933	7830	46197	2838	15167	625	3414	1177
1934	7493	52478	5372	15910	622	3267	9817
1935	7404	51175	5061	16052	470	3982	709
1936	6811	52559	3294	16354	588	3232	4230
1937	6596	49272	3292	16249	604	3796	2180
1938	5973	52557	3495	15980	699	4140	7836
10Yr.Ave.	7727	50518	3506	15674	596	3584	2865

10 Year Average Acres: Spring Wheat 203 ; Winter Wheat 123 ; Popcorn 3. (Acreages also shown in "All Other Crops")

*Included in "All Tame Hay."

Source: Division of Agricultural Statistics, Iowa Department of Agriculture.

TABLE 2
ACREAGE AND YIELDS OF HAY
County Summary

Year	Mixed Clover&Timothy		Alfalfa		Wild Hay		All Tame Hay	
	Acres	Tons per Acre	Acres	Tons per Acre	Acres	Tons per Acre	Acres	Tons per Acre
1929	7,765	1.63	3,865	2.82	9,163	1.12	17,555	1.88
1930	8,586	1.68	4,428	2.75	9,266	1.12	16,311	1.93
1931	6,214	.96	5,614	2.21	8,813	.61	16,424	1.36
1932	4,548	1.64	7,096	3.14	7,919	1.05	16,358	2.20
1933	6,190	1.31	9,065	2.46	7,830	.95	17,060	1.90
1934	3,413	.92	8,830	1.67	7,493	.59	22,271	1.35
1935	3,206	2.06	10,795	3.11	7,404	1.32	18,845	2.63
1936	3,143	1.00	12,670	1.95	6,811	.70	18,937	1.67
1937	2,478	1.51	14,644	2.47	6,596	1.00	19,753	2.20
1938	2,540	1.45	12,929	2.30	5,973	1.20	20,466	2.02
10 Yr.Ave.	4,808	1.43	8,994	2.44	7,727	.96	18,398	1.91

Source: Division of Agricultural Statistics,
Iowa Department of Agriculture.

TABLE 3
LAND UTILIZATION AND YIELDS

Buffalo Township

Year	No. Farms	Acreage in Farms	Ave. Farm Size	CORN		OATS		BARLEY		RYE	
				Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.
1929	108	22382	207	8360	41	5837	42	1233	35	13	22
1930	112	22264	199	8795	35	5980	41	726	34	10	15
1931	109	22394	205	9286	38	5732	40	400	35	3	10
1932	115	22199	193	9064	46	6003	41	314	34	2	10
1933	110	22478	204	8890	44	6302	17	476	12	2	12
1934	117	22303	191	7401	31	5983	23	427	13	24	14
1935	116	22241	192	7181	44	6789	45	514	32	2	15
1936	120	22472	187	8250	24	6057	32	165	19	9	20
1937	119	22262	187	8576	38	6240	47	152	37	44	20
1938	120	22131	184	7853	49	6081	37	134	23	30	15
10Yr.Ave.	115	22313	195	8366	39	6100	37	454	29	14	17

Year	FLAXSEED		SOYBEANS		GRASS SEED			TAME HAY	
	Acres	Ave. Yld.	Acres	Ave. Yld.	Timothy Acres	Red & Als.Clo. Acres*	Sweet Clover Acres	Alfalfa Acres*	All Tame Hay Acres
1929	42	10	-	-	-	-	-	483	1341
1930	112	9	3	7	-	-	-	593	1013
1931	5	7	-	-	-	-	30	783	1112
1932	-	-	5	10	-	-	-	869	1227
1933	43	5	-	-	-	-	-	957	1304
1934	20	8	11	13	-	-	-	841	1569
1935	26	11	20	17	-	-	20	885	1599
1936	31	5	-	-	-	-	-	1026	1360
1937	33	9	78	11	-	-	-	1115	1362
1938	30	7	64	20	-	-	-	1034	1622
10 Yr.Ave.	34	8	18	15	0	0	5	859	1351

Year	Wild Hay Acres	All Pasture Acres	All Other Crops Acres	Buildings, Feedlots, Highways Acres	Woodlots for Timber only Acres	Waste-land Acres	Idle Crop Land Acres
1929	456	3229	174	1357	-	334	6
1930	449	3266	224	1346	-	323	17
1931	388	3412	229	1391	-	374	32
1932	157	3329	280	1376	-	392	50
1933	262	3107	422	1324	41	289	16
1934	289	3554	372	1385	5	393	870
1935	219	3729	306	1375	-	418	43
1936	251	3614	187	1384	12	311	841
1937	219	3247	109	1378	-	379	445
1938	173	3450	184	1304	-	420	786
10Yr.Ave.	286	3394	249	1362	6	363	311

10 Year Average Acres: Winter Wheat 2 ; Spring Wheat 2 ; Popcorn 0 . (Acreages also shown in "All Other Crops")

*Included in "All Tame Hay."

Source: Division of Agricultural Statistics, Iowa Department of Agriculture.

TABLE 4

LAND UTILIZATION AND YIELDS

Center Township

Year	No. Farms	Acreage in Farms	Ave. Farm Size	CORN		OATS		BARLEY		RYE	
				Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.
1929	142	20613	145	5151	43	3715	38	1118	29	16	5
1930	150	19731	132	5367	35	3617	40	779	28	28	17
1931	158	20448	129	5837	29	3805	32	457	25	16	17
1932	138	20470	148	5705	44	4166	40	537	25	-	-
1933	139	19947	144	6084	49	4172	30	301	22	-	-
1934	137	19625	143	4454	42	3804	24	256	18	-	-
1935	144	20093	140	5151	45	4147	45	364	37	5	10
1936	143	20761	145	5512	24	3990	31	200	23	8	14
1937	141	20756	147	5799	36	4140	48	205	33	5	22
1938	140	20966	150	5640	52	3956	39	307	30	31	23
10 Yr. Ave.	143	20341	142	5470	40	3951	37	452	28	11	17

Year	FLAXSEED		SOYBEANS		GRASS SEED			TAME HAY	
	Acres	Ave. Yld.	Acres	Ave. Yld.	Timothy Acres	Red & Als. Clo. Acres*	Sweet Clover Acres	Alfalfa Acres*	All Tame Hay Acres
1929	-	-	-	-	-	-	-	413	1595
1930	16	7	-	-	-	-	-	464	1488
1931	56	5	-	-	-	-	-	507	1185
1932	-	-	3	-	10	7	-	696	1543
1933	21	4	5	16	-	82	-	821	1656
1934	12	4	38	11	-	-	-	812	2190
1935	16	9	-	-	-	-	2	1089	1908
1936	7	1	9	11	-	20	-	1266	1903
1937	9	17	14	14	-	-	-	1469	2003
1938	-	-	-	-	-	-	-	1495	2201
10Yr. Ave.	14	6	7	12	1	11	.2	903	1767

Year	Wild Hay Acres	All Pasture Acres	All Other Crops Acres	Buildings, Feedlots, Highways Acres	Woodlots for Timber only Acres	Waste-land Acres	Idle Crop Land Acres
1929	1563	4468	645	1319	334	689	-
1930	1743	4586	85	1320	237	450	15
1931	1906	4727	471	1363	251	374	-
1932	1508	4758	422	1304	173	304	37
1933	1223	4453	253	1229	210	283	57
1934	1218	4548	769	1260	211	372	493
1935	1223	4703	817	1280	148	292	37
1936	1373	4766	701	1464	203	249	376
1937	1162	4687	590	1406	154	334	248
1938	1094	4933	471	1435	217	293	388
10Yr. Ave.	1401	4663	522	1338	214	364	165

10 Year Average Acres: Spring Wheat 20 ; Winter Wheat 3 ; Popcorn 2 . (Acreages also shown in "All Other Crops")

*Included in "All Tame Hay."

Source: Division of Agricultural Statistics, Iowa Department of Agriculture.

TABLE 5
LAND UTILIZATION AND YIELDS

Eden Township

Year	No. Farms	Acreage in Farms	Ave. Farm Size	CORN		OATS		BARLEY		RYE	
				Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.
1929	101	18492	183	6211	36	4583	36	876	29	163	15
1930	106	18488	174	6442	35	4817	37	706	26	179	9
1931	101	18093	179	7145	35	4602	33	351	25	23	22
1932	107	17898	167	6799	33	5028	35	369	21	3	13
1933	100	18458	185	6549	44	5385	24	346	18	15	.67
1934	103	18458	179	5297	32	5083	23	302	17	2	20
1935	98	18385	188	5738	41	5450	44	530	31	-	-
1936	100	18315	183	6413	22	4806	31	256	21	16	14
1937	103	18264	177	6482	37	5100	48	262	36	56	9
1938	102	18576	182	5989	52	4578	35	312	25	5	20
10 Yr. Ave.	102	18345	180	6306	37	4943	34	431	26	46	12

Year	FLAXSEED		SOYBEANS		GRASS SEED			TAME HAY	
	Acres	Ave. Yld.	Acres	Ave. Yld.	Timothy Acres	Red & Als. Clo. Acres*	Sweet Clover Acres	Alfalfa Acres*	All Tame Hay Acres
1929	202	8	10	20	-	-	-	286	908
1930	203	13	-	-	-	-	-	400	929
1931	132	8	-	-	-	-	-	426	893
1932	82	8	-	-	-	-	-	485	922
1933	39	3	-	-	-	-	-	680	1156
1934	82	7	-	-	-	-	-	579	1071
1935	78	11	5	10	-	-	-	752	1304
1936	30	8	27	18	-	-	-	1024	1247
1937	5	9	38	10	-	-	-	1079	1349
1938	32	10	11	12	-	-	-	963	1520
10Yr. Ave.	88	9	9	14	0	0	0	667	1130

Year	Wild Hay Acres	All Pasture Acres	All Other Crops Acres	Buildings, Feedlots, Highways Acres	Woodlots for Timber only Acres	Waste-land Acres	Idle Crop Land Acres
1929	712	3030	258	1070	1	364	104
1930	595	2987	235	1055	1	208	131
1931	511	2857	278	1048	1	189	63
1932	552	2610	78	1137	4	169	145
1933	480	2717	297	1101	-	309	64
1934	467	3065	496	1128	-	209	1283
1935	400	2891	461	1129	10	260	129
1936	379	3091	272	1173	-	225	380
1937	323	2738	174	1141	4	412	180
1938	439	3179	283	1165	-	321	742
10Yr. Ave.	486	2916	283	1115	2	267	322

10 Year Average Acres: Winter Wheat .3 ; Spring Wheat 21 ; Popcorn 0. (Acreages also shown in "All Other Crops")

*Included in "All Tame Hay."

Source: Division of Agricultural Statistics, Iowa Department of Agriculture.

TABLE 6

LAND UTILIZATION AND YIELDS

Forest Township

Year	No. Farms	Acreage in Farms	Ave. Farm Size	CORN		OATS		BARLEY		RYE	
				Acres	Ave. Yld.	Acres	Ave Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.
1929	139	19527	140	6328	38	4045	35	926	30	5	18
1930	144	19382	135	6561	32	4255	33	658	28	15	17
1931	145	19599	135	7120	29	4156	32	399	28	16	12
1932	138	19362	140	6522	41	4639	33	363	23	-	-
1933	150	19566	130	6957	43	4817	20	273	17	11	21
1934	147	20042	136	5596	36	4595	20	256	14	73	8
1935	145	19538	135	5958	44	5006	43	248	35	41	21
1936	143	19647	137	6201	19	4549	31	67	22	40	19
1937	143	19533	137	6293	35	4745	46	171	37	69	18
1938	145	19307	133	6052	48	4659	34	82	25	14	19
10Yr.Ave.	144	19550	136	6359	37	4547	33	344	27	28	16

Year	FLAXSEED		SOYBEANS		GRASS SEED			TAME HAY	
	Acres	Ave. Yld.	Acres	Ave. Yld.	Timothy Acres	Red & Als. Clo. Acres*	Sweet Clover Acres	Alfalfa Acres*	All Tame Hay Acres
1929	-	-	-	-	68	-	-	315	1743
1930	40	9	-	-	88	-	-	318	1739
1931	-	-	-	-	38	-	-	321	1629
1932	25	6	5	18	41	-	-	404	1542
1933	22	3	-	-	15	-	4	616	1593
1934	32	8	-	-	-	-	-	566	1899
1935	11	5	-	-	57	-	-	729	1644
1936	-	-	-	-	20	-	-	905	1667
1937	-	-	-	-	45	-	-	1029	1489
1938	-	-	-	-	-	-	-	928	1454
10Yr.Ave.	13	7	5	10	37	0	4	613	1640

Year	Wild Hay Acres	All Pasture Acres	All Other Crops Acres	Buildings, Feedlots, Highways Acres	Woodlots for Timber only Acres	Waste-land Acres	Idle Crop Land Acres
1929	511	4152	135	1118	33	419	44
1930	404	4235	98	1069	22	197	1
1931	385	4477	93	1058	53	175	-
1932	328	4009	105	1022	99	340	322
1933	380	3750	192	1249	30	253	20
1934	375	4534	382	1261	20	288	731
1935	333	4220	372	1294	18	316	20
1936	352	4430	229	1318	10	237	536
1937	373	4324	351	1334	5	201	133
1938	334	4171	255	1312	19	440	512
10Yr.Ave.	378	4230	229	1204	31	287	232

10 Year Average Acres: Spring Wheat 36 ; Winter Wheat 10 ; Popcorn .2 . (Acreages also shown in "All Other Crops")

Source: Division of Agricultural Statistics, Iowa Department of Agriculture.

*Included in "All Tame Hay."

TABLE 7

LAND UTILIZATION AND YIELDS

Grant Township

Year	No. Farms	Acreage in Farms	Ave. Farm Size	CORN		OATS		BARLEY		RYE	
				Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.
1929	132	22884	173	8064	41	6530	42	754	37	-	-
1930	131	22896	175	8531	38	6960	41	363	31	16	15
1931	133	22875	172	8932	40	6657	38	227	32	-	-
1932	132	22915	174	8847	46	6771	39	225	28	-	-
1933	134	22912	171	9041	41	6816	20	226	16	-	-
1934	134	22785	170	7188	33	6521	23	140	18	4	19
1935	134	22834	170	7238	45	7538	48	296	36	4	16
1936	129	22929	178	8198	24	6786	35	45	21	12	15
1937	131	22904	175	8509	44	6816	52	81	30	12	15
1938	133	22917	172	7363	50	6484	38	32	27	11	8
10 Yr. Ave.	132	22885	173	8191	40	6788	38	239	31	6	14

Year	FLAXSEED		SOYBEANS		GRASS SEED			TAME HAY	
	Acres	Ave. Yld.	Acres	Ave. Yld.	Timothy Acres	Red & Als. Clo. Acres*	Sweet Clover Acres	Alfalfa Acres*	All Tame Hay Acres
1929	17	14	5	10	-	-	-	127	988
1930	38	9	-	-	1	-	-	213	1009
1931	-	-	-	-	8	-	-	295	1014
1932	-	-	-	-	-	-	-	423	1178
1933	17	3	4	25	-	-	-	515	1114
1934	72	6	4	5	-	-	70	576	1602
1935	12	18	17	17	-	15	36	719	1384
1936	42	9	4	22	-	10	105	780	1290
1937	-	-	75	12	-	-	29	976	1292
1938	-	-	98	18	-	-	10	889	1414
10Yr.Ave.	20	8	21	15	1	2	25	551	1228

Year	Wild Hay Acres	All Pasture Acres	All Other Crops Acres	Buildings, Feedlots, Highways Acres	Woodlots for Timber only Acres	Waste-land Acres	Idle Crop Land Acres
1929	394	4139	108	1459	-	403	23
1930	331	3903	48	1391	-	254	51
1931	310	3906	49	1455	-	266	51
1932	244	3727	60	1430	-	331	102
1933	243	3655	145	1359	-	273	19
1934	220	4000	216	1438	-	246	1064
1935	244	3800	316	1449	-	387	113
1936	237	3867	108	1481	10	300	444
1937	179	3665	84	1478	-	404	280
1938	199	3885	84	1400	-	372	1565
10Yr.Ave.	260	3855	122	1434	1	324	371

10 Year Average Acres: Winter Wheat 5 ; Spring Wheat 5 ; Popcorn 0 . (Acreages also shown in "All Other Crops")

*Included in "All Tame Hay."

Source: Division of Agricultural Statistics, Iowa Department of Agriculture.

TABLE 8
LAND UTILIZATION AND YIELDS

King Township

Year		Acreage in Farms	Ave. Farm Size	CORN		OATS		BARLEY		RYE	
				Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.
1929	118	22466	190	7609	34	5268	37	897	28	95	16
1930	120	22325	186	7675	35	5650	39	447	24	27	19
1931	118	22492	191	8137	35	5389	34	267	27	20	26
1932	119	22445	189	8100	41	5526	36	254	28	-	-
1933	120	22486	187	8040	43	6254	19	98	19	-	-
1934	116	22448	194	6272	29	5862	22	187	18	10	15
1935	114	22477	197	7082	42	6474	45	256	32	18	20
1936	118	22398	190	7839	25	5610	31	110	20	40	8
1937	119	22507	189	7997	40	5845	50	193	25	62	20
1938	122	22630	185	7274	44	5839	33	55	25	8	15
10 Yr. Ave.	118	22467	190	7602	37	5772	35	276	26	28	17

Year	FLAXSEED		SOYBEANS		GRASS SEED			TAME HAY	
	Acres	Ave. Yld.	Acres	Ave. Yld.	Timothy Acres	Red & Als. Clo. Clover*	Sweet Clover Acres	Alfalfa Acres*	All Tame Hay
1929	-	-	-	-	-	-	-	288	1455
1930	27	13	-	-	-	-	-	408	1350
1931	24	10	-	-	-	-	-	490	1544
1932	-	-	-	-	-	-	-	623	1186
1933	-	-	-	-	-	-	-	914	1410
1934	41	7	-	-	-	-	-	945	1883
1935	73	8	-	-	-	-	-	978	1439
1936	23	8	15	11	-	-	-	1099	1543
1937	53	10	-	-	-	-	-	1183	1570
1938	-	-	-	-	-	-	-	1068	1562
10Yr. Ave.	24	9	2	11	0	0	0	800	1494

Year	Wild Hay Acres	All Pasture Acres	All Other Crops Acres	Buildings, Feedlots, Highways Acres	Woodlots for Timber only Acres	Waste-land Acres	Idle Crop Land Acres
1929	676	4431	79	1248	4	515	189
1930	563	4768	60	1246	-	352	160
1931	395	4719	227	1284	4	433	49
1932	594	4681	206	1247	-	031	20
1933	498	4299	81	1267	-	410	129
1934	497	4782	466	1293	-	382	773
1935	424	4643	124	1302	2	574	66
1936	264	5112	22	1292	-	465	63
1937	306	4427	87	1288	26	512	141
1938	309	4602	78	1397	-	685	821
10Yr. Ave.	453	4646	143	1286	4	496	241

10 Year Average Acres: Spring Wheat 5 ; Winter Wheat 40 ; Popcorn 0. Acreages also shown in "All Other Crops")

Source: Division of Agricultural Statistics, Iowa Department of Agriculture.

*Included in "All Tame Hay."

TABLE 9
LAND UTILIZATION AND YIELDS

Lincoln Township

Year	No. Farms	Acreage in Farms	Ave. Farm Size	CORN		OATS		BARLEY		RYE	
				Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.
1929	95	17441	184	6046	40	4769	43	700	34	-	-
1930	100	17682	177	6744	39	4806	41	391	31	-	-
1931	105	17673	168	6950	37	4743	38	340	29	-	-
1932	100	17492	175	6758	41	4756	39	490	25	-	-
1933	100	17684	177	6828	48	5273	24	345	18	-	-
1934	106	17694	167	5403	36	4827	26	205	18	-	-
1935	101	17566	174	5774	45	5235	46	386	35	4	15
1936	101	17680	175	6621	27	5140	34	259	24	-	-
1937	104	17302	166	6831	40	5099	52	232	33	41	24
1938	104	17680	170	6096	44	4831	36	263	28	17	18
10Yr.Ave.	102	17589	173	6405	40	4948	38	361	29	6	22

Year	FLAXSEED		SOYBEANS		GRASS SEED			TAME HAY	
	Acres	Ave. Yld.	Acres	Ave. Yld.	Timothy Acres	Red & Als.Clo Acres*	Sweet Clover Acres	Alfalfa Acres*	All Tame Hay Acres
1929	175	8	-	-	-	---	69	246	838
1930	92	15	-	-	-	-	25	340	830
1931	185	5	6	14	-	-	5	454	824
1932	148	6	4	6	-	-	3	536	916
1933	15	5	-	-	-	-	-	714	821
1934	28	5	7	4	-	-	-	575	1384
1935	34	13	4	25	-	-	-	715	1038
1936	5	5	1	10	-	-	16	879	1139
1937	12	14	-	-	-	-	18	910	1156
1938	62	10	-	-	-	-	15	729	1222
10Yr.Ave.	76	8	2	11	0	0	16	610	1017

Year	Wild Hay Acres	All Pasture Acres	All Other Crops Acres	Buildings, Feedlots, Highways Acres	Woodlots for Timber only Acres	Waste-land Acres	Idle Crop Land Acres
1929	237	2772	479	1071	21	181	83
1930	304	2530	573	1224	-	158	5
1931	243	2485	441	1227	3	221	-
1932	292	2295	428	1191	-	200	12
1933	241	2341	527	1089	1	159	44
1934	215	2786	770	1172	7	221	669
1935	250	2894	570	1215	-	162	-
1936	150	2678	337	1162	-	119	53
1937	192	2264	111	1192	-	139	15
1938	110	2856	369	1162	-	153	524
10Yr.Ave.	223	2590	461	1170	3	171	140

10 Year Average Acres: Winter Wheat 2 ; Spring Wheat 10 ; Popcorn 0 .(Acreages also shown in "All Other Crops")

*Included in "All Tame Hay."

Source: Division of Agricultural Statistics, Iowa Department of Agriculture.

TABLE 10
LAND UTILIZATION AND YIELDS

Linden Township

Year	No. Farms	Acreage in Farms	Ave. Farm Size	CORN		OATS		BARLEY		RYE	
				Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.
1929	116	22965	198	7368	37	5599	41	1007	31	-	-
1930	116	22784	196	7373	36	5931	39	662	28	5	18
1931	115	22751	198	7993	33	6023	34	316	26	-	-
1932	118	22894	194	7896	40	6361	36	314	26	-	-
1933	124	22974	185	7801	41	6490	16	312	16	-	-
1934	118	22974	195	6729	33	6083	19	247	17	72	8
1935	118	22973	195	7428	42	6609	44	306	30	6	7
1936	122	22973	188	7590	27	6459	32	140	21	32	12
1937	123	23099	188	8009	39	6228	49	117	38	38	20
1938	124	22789	184	7005	47	6271	36	25	26	18	20
10 Yr.Ave	119	22918	192	7519	38	6205	34	345	27	17	13

Year	FLAXSEED		SOYBEANS		GRASS SEED			TAME HAY	
	Acres	Ave. Yld.	Acres	Ave Yld.	Timothy Acres	Red & Als.Clo. Acres*	Sweet Clover Acres	Alfalfa Acres*	All Tame Hay Acres
1929	65	6	-	-	-	-	-	299	1202
1930	44	8	-	-	3	-	-	279	1357
1931	-	-	2	25	6	-	-	352	1205
1932	-	-	-	-	8	-	-	374	1063
1933	26	7	6	14	-	-	87	495	1206
1934	58	9	58	13	4	-	45	480	1558
1935	-	-	13	21	13	-	50	600	1332
1936	-	-	-	-	-	-	64	779	1237
1937	-	-	-	-	23	-	19	950	1450
1938	-	-	28	20	-	-	38	949	1442
10 Yr.Ave.	19	8	11	16	6	0	30	556	1305

Year	Wild Hay Acres	All Pasture Acres	All Other Crops Acres	Buildings, Feedlots, Highways Acres	Woodlots for Timber only Acres	Waste-land Acres	Idle Crop Land Acres
1929	858	4905	30	1239	-	679	13
1930	755	4951	29	1192	-	467	15
1931	883	4756	29	1276	-	262	-
1932	820	4666	22	1247	-	401	96
1933	788	4185	44	1242	1	411	375
1934	715	4751	137	1279	1	279	958
1935	667	4423	144	1321	9	470	182
1936	687	4640	146	1292	5	238	443
1937	634	4568	255	1312	-	328	118
1938	668	4977	235	1294	-	242	546
10 Yr.Ave.	748	4682	107	1269	2	378	275

10 Year Average Acres: Spring Wheat 21 ; Winter Wheat 2 ; Popcorn .1 . (Acreages also shown in "All Other Crops")

*Included in "All Tame Hay."

Source: Division of Agricultural Statistics, Iowa Department of Agriculture.

TABLE 11
LAND UTILIZATION AND YIELDS

Logan Township

Year	No. Farms	Acreage in Farms	Ave. Farm Size	CORN		OATS		BARLEY		RYE	
				Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.
1929	96	17732	185	4633	38	3557	38	1001	30	41	19
1930	97	17838	184	4761	38	3529	42	816	28	287	14
1931	95	18229	192	4960	33	3714	35	730	24	93.	13
1932	95	18120	191	5220	43	3710	40	767	21	32	7
1933	98	18051	184	5401	45	4239	28	563	14	-	-
1934	97	18133	187	4042	34	4265	22	396	19	25	3
1935	98	18110	185	4536	42	4341	43	730	32	-	-
1936	98	18051	184	5190	23	3904	28	405	19	10	6
1937	95	18069	190	5312	39	3897	47	314	29	15	10
1938	108	18004	167	4666	57	3804	35	272	32	29	15
10Yr.Ave.	98	18034	185	4872	40	3896	36	599	25	53	13

Year	FLAXSEED		SOYBEANS		GRASS SEED			TAME HAY	
	Acres	Ave. Yld.	Acres	Ave. Yld.	Timothy Acres	Red & Als. Clo Acres*	Sweet Clover Acres	Alfalfa Acres*	All Tame Hay Acres
1929	216	11	-	-	-	48	-	321	2119
1930	311	14	-	-	-	-	-	308	1370
1931	279	8	-	-	-	-	-	487	1926
1932	319	9	-	-	-	-	-	550	1345
1933	113	6	11	11	-	-	-	581	1133
1934	86	4	-	-	-	-	-	670	1341
1935	34	10	-	-	-	-	-	856	1138
1936	36	4	-	-	-	-	-	932	1176
1937	154	17	-	-	-	-	-	1219	1425
1938	120	14	-	-	-	-	19	914	1587
10 Yr.Ave.	167	11	1	11	0	5	2	684	1456

Year	Wild Hay Acres	All Pasture Acres	All Other Crops Acres	Buildings, Feedlots, Highways Acres	Woodlots for Timber only Acres	Waste-land Acres	Idle Crop Land Acres
1929	991	3114	304	1256	6	312	182
1930	1324	3464	369	1295	-	137	175
1931	1090	3337	536	1331	-	227	6
1932	1328	3447	384	1284	-	284	-
1933	1450	3277	346	1180	10	263	65
1934	1355	3862	355	1197	16	235	958
1935	1591	3742	342	1220	-	423	13
1936	1270	3965	150	1217	-	347	381
1937	1440	3699	161	1180	15	251	206
1938	1017	4029	376	1153	13	354	565
10Yr.Ave.	1285	3594	332	1231	6	283	255

10 Year Average Acres: Winter Wheat 44 ; Spring Wheat 27 ; Popcorn 0 . (Acreages also shown in "All Other Crops")

*Included in "All Tame Hay."

Source: Division of Agricultural Statistics, Iowa Department of Agriculture.

TABLE 12
LAND UTILIZATION AND YIELDS

Mt. Valley Township

Year	No. Farms	Acreage in Farms	Ave. Farm Size	CORN		OATS		BARLEY		RYE	
				Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.
1929	169	21315	126	6094	42	4260	37	438	30	62	14
1930	161	20394	127	6062	37	4277	39	324	30	-	-
1931	169	21601	128	6663	28	4676	36	203	29	19	17
1932	169	21154	125	6452	46	4451	37	280	32	-	-
1933	183	22073	121	6999	47	5065	27	56	17	19	20
1934	184	22742	124	5553	37	4350	24	95	23	24	15
1935	190	22696	119	6337	45	4936	43	223	32	69	19
1936	185	22905	124	6726	23	4740	36	111	25	80	16
1937	186	23128	124	6974	35	4705	46	149	26	65	17
1938	180	23001	128	6289	51	4941	35	135	27	63	12
10 Yr. Ave.	178	22101	124	6415	40	4640	36	201	29	40	16

Year	FLAXSEED		SOYBEANS		GRASS SEED			TAME HAY	
	Acres	Ave. Yld.	Acres	Ave. Yld.	Timothy Acres	Red & Als. Clo. Acres*	Sweet Clover Acres	Alfalfa Acres*	All Tame Hay Acres
1929	-	-	-	-	-	5	-	335	2164
1930	-	-	-	-	-	-	-	390	2035
1931	-	-	-	-	-	-	-	484	1926
1932	-	-	-	-	-	-	-	845	2235
1933	-	-	10	15	-	-	-	1032	2108
1934	-	-	11	10	-	-	-	1063	3091
1935	-	-	6	17	-	-	16	1401	2187
1936	-	-	-	-	-	-	-	1458	2274
1937	-	-	-	-	-	-	-	1764	2307
1938	-	-	34	19	-	-	6	1542	2267
10 Yr. Ave.	0	0	6	16	0	.5	2	1031	2259

Year	Wild Hay Acres	All Pasture Acres	All Other Crops Acres.	Buildings, Feedlots, Highways Acres	Woodlots for Timber only Acres	Waste-land Acres	Idle Crop Land Acres
1929	795	5573	112	1318	340	101	58
1930	712	5212	131	1328	273	40	-
1931	789	5603	106	1390	151	75	-
1932	682	5653	19	1147	225	10	-
1933	790	5142	113	1349	240	128	54
1934	669	6313	203	1549	255	144	485
1935	738	5957	327	1547	202	108	43
1936	618	5972	268	1601	279	75	161
1937	633	5737	315	1603	262	230	148
1938	591	6072	226	1399	268	195	515
10 Yr. Ave.	702	5723	182	1423	250	111	146

10 Year Average Acres: Winter Wheat 6 ; Spring Wheat 33 ; Popcorn 0. (Acreages also shown in "All Other Crops")

*Included in "All Tame Hay."

Source: Division of Agricultural Statistics, Iowa Department of Agriculture.

TABLE 13
LAND UTILIZATION AND YIELDS

Newton Township

Year	No. Farms	Acreage in Farms	Ave. Farm Size	CORN		OATS		BARLEY		RYE	
				Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.
1929	139	22724	163	7174	39	4833	38	1147	29	115	17
1930	134	22548	168	7695	36	4809	37	930	27	267	16
1931	144	22557	157	8127	34	4819	32	506	26	140	19
1932	145	22450	155	8699	38	5312	35	644	23	10	15
1933	147	22180	151	8036	45	5531	24	437	17	42	10
1934	155	22540	145	6367	32	5266	22	234	17	70	8
1935	146	22513	154	6741	45	6287	47	335	37	35	21
1936	152	22802	150	7674	22	5446	30	160	19	31	14
1937	151	22551	149	7485	37	5699	51	152	32	13	19
1938	149	22508	151	6882	54	5555	37	121	27	16	20
10Yr. Ave.	146	22537	154	7488	38	5356	36	467	26	74	16

Year	FLAXSEED		SOYBEANS		GRASS SEED			TAME HAY	
	Acres	Ave. Yld.	Acres	Ave. Yld.	Timothy Acres	Red & Als. Clo Acres*	Sweet Clover Acres	Alfalfa Acres*	All Tame Hay Acres
1929	7	14	-	-	-	-	-	286	1452
1930	196	11	-	-	-	-	-	270	1581
1931	75	6	-	-	-	-	-	389	1586
1932	17	4	-	-	-	15	-	486	1391
1933	-	-	-	-	-	-	-	730	1675
1934	28	9	1	12	-	-	-	795	2368
1935	-	-	26	15	-	-	44	952	1862
1936	10	10	-	-	-	-	-	1249	1987
1937	23	13	-	-	-	-	-	1538	2251
1938	22	10	3	15	-	-	-	1279	2258
10Yr. Ave.	38	10	3	15	0	2	4	797	1841

Year	Wild Hay Acres	All Pasture Acres	All Other Crops Acres	Buildings Feedlots, Highways Acres	Woodlots for Timber only Acres	Waste-land Acres	Idle Crop Land Acres
1929	821	4784	427	1447	-	437	80
1930	650	4389	310	1406	-	309	6
1931	614	4383	402	1470	-	373	62
1932	282	4231	36	1438	-	346	44
1933	329	3762	121	1478	-	481	288
1934	356	3976	585	1681	12	351	1245
1935	369	4153	539	1599	2	469	52
1936	271	4345	351	1623	3	443	458
1937	250	3856	477	1599	69	471	206
1938	250	4286	479	1662	20	447	507
10Yr. Ave.	419	4216	373	1540	11	413	295

10 Year Average Acres: Winter Wheat 3 ; Spring Wheat 13 ; Popcorn 0. (Acreages also shown in "All Other Crops")

*Included in "All Tame Hay."

Source: Division of Agricultural Statistics, Iowa Department of Agriculture.

TABLE 12
LAND UTILIZATION AND YIELDS

Norway Township

Year	No. Farms	Acreage in Farms	Ave. Farm Size	CORN		OATS		BARLEY		RYE	
				Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.
1929	118	18400	156	4803	43	3751	41	1202	31	29	18
1930	128	17659	138	4778	37	3685	40	670	28	18	12
1931	113	17894	158	5016	33	3844	34	384	26	14	17
1932	120	17861	149	4916	47	3997	39	430	30	35	13
1933	124	18238	147	5174	47	4310	27	304	21	17	10
1934	120	18087	151	3967	38	3933	21	211	18	9	9
1935	119	17830	150	4285	43	4201	43	442	33	8	9
1936	119	17858	150	4690	22	4035	25	141	18	-	-
1937	119	17995	151	4869	35	4031	44	80	33	93	18
1938	114	17699	155	4623	52	3952	38	52	30	12	16
10 Yr. Ave.	119	17952	150	4712	41	3974	35	392	28	24	15

Year	FLAXSEED		SOYBEANS		GRASS SEED			TAME HAY	
	Acres	Ave. Yld.	Acres	Ave. Yld.	Timothy Acres	Red & Als. Clo. Acres*	Sweet Clover Acres	Alfalfa Acres*	All Tame Hay Acres
1929	5	8	-	-	-	-	-	340	1425
1930	101	11	-	-	-	-	-	339	1309
1931	30	7	-	-	-	-	-	473	1305
1932	52	6	4	10	-	-	-	634	1451
1933	40	8	4	16	-	-	-	793	1536
1934	26	7	5	17	-	-	-	717	1964
1935	-	-	25	16	-	-	-	867	1653
1936	24	8	11	9	-	-	-	1074	1886
1937	-	-	-	-	-	-	-	1099	1637
1938	-	-	27	9	-	-	-	930	1531
10 Yr. Ave.	28	9	8	12	0	0	0	727	1570

Year	Wild Hay Acres	All Pasture Acres	All Other Crops Acres	Buildings, Feedlots, Highways Acres	Woodlots for Timber only Acres	Waste-land Acres	Idle Crop Land Acres
1929	966	4527	370	1021	51	47	203
1930	1257	4610	235	986	-	10	-
1931	1135	4746	358	1028	5	29	-
1932	977	4595	295	991	31	71	16
1933	928	4472	182	1023	77	132	39
1934	954	5156	436	1008	77	113	228
1935	848	4736	449	1042	57	84	-
1936	829	4669	285	1025	38	188	37
1937	743	4844	474	1056	16	126	26
1938	665	4919	331	997	118	149	323
10 Yr. Ave.	930	4727	342	1018	47	95	87

10 Year Average Acres: Winter Wheat 6 ; Spring Wheat 10 ; Popcorn .3 . (Acreages also shown in "All Other Crops")

Source: Division of Agricultural Statistics, Iowa Department of Agriculture.

*Included in "All Tame Hay."

TABLE 15
LAND UTILIZATION AND YIELDS
Total Incorporated Town Data
Buffalo Center, Forest City, Lake Mills,
Leland, Rake, Scoville, Thompson.

Year	No. Farms	Acreage in Farms	Ave. Farm Size	CORN		OATS		BARLEY		RYE	
				Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.
1929	95	3843	40	864	44	508	43	49	31	-	-
1930	94	3673	39	838	31	410	47	103	29	-	-
1931	104	3647	35	818	34	453	36	58	30	-	-
1932	117	3766	32	958	45	390	42	77	25	-	-
1933	86	3621	42	930	45	548	24	95	22	-	-
1934	93	3563	38	835	31	475	22	32	17	-	-
1935	116	3764	32	807	44	576	44	7	36	-	-
1936	112	3874	35	908	23	461	34	38	15	-	-
1937	118	3747	32	841	37	570	49	21	36	-	-
1938	112	3668	33	842	45	509	32	33	33	-	-
10 Yr. Ave.	105	3717	35	864	38	490	37	51	26	0	0

Year	FLAXSEED		SOYBEANS		GRASS SEED			TAME HAY	
	Acres	Ave. Yld.	Acres	Ave. Yld.	Timothy Acres	Red & Als. Clo. Acres*	Sweet Clover Acres	Alfalfa Acres*	All Tame Hay Acres
1929	-	-	-	-	-	-	-	126	325
1930	-	-	-	-	-	-	-	106	301
1931	-	-	-	-	-	-	-	153	275
1932	-	-	-	-	-	-	-	171	359
1933	-	-	8	14	-	-	-	217	348
1934	-	-	-	-	-	-	-	211	351
1935	10	14	-	-	-	-	-	252	357
1936	-	-	10	12	-	-	-	199	228
1937	-	-	13	15	-	-	-	313	462
1938	-	-	-	-	-	-	-	209	386
10 Yr. Ave.	1	14	3	14	0	0	0	196	339

Year	Wild Hay Acres	All Pasture Acres	All Other Crops Acres	Buildings, Feedlots, Highways Acres	Woodlots for Timber only Acres	Waste-land Acres	Idle Crop Land Acres
1929	183	1397	159	279	24	55	-
1930	179	1311	216	258	-	37	20
1931	164	1465	122	266	-	17	9
1932	155	1332	143	313	-	35	4
1933	218	1037	115	277	15	23	7
1934	163	1151	185	259	18	34	60
1935	98	1284	294	279	22	19	11
1936	130	1410	247	322	28	35	57
1937	142	1216	104	282	53	9	34
1938	121	1198	124	300	44	69	42
10 Yr. Ave.	155	1280	171	284	20	33	24

10 Year Average Acres: Winter Wheat 1 ; Spring Wheat 1 ; Popcorn 1 . (Acreages also shown in "All Other Crops")

Source: Division of Agricultural Statistics, Iowa Department of Agriculture.

*Included in "All Tame Hay."

TABLE 16

COUNTY LIVESTOCK NUMBERS
January 1

Year	All Cattle*	Milk Cows	Horses	Mules	Sheep	Hogs
1870	1,179	418	270	9	-	835
1880	5,614	2,356	2,089	89	1,125	3,306
1890	19,933	6,858	4,449	68	2,247	13,502
1900	28,879	11,212	7,895	73	2,599	26,729
1910	33,677	13,060	8,267	106	2,191	23,809
1920	35,723	14,585	10,017	194	2,225	49,643
1925	35,453	15,827	8,984	370	1,895	57,251
1930	30,627	14,962	8,152	300	5,105	71,013
1935	38,151	17,994	7,929	316	10,666	44,370
1936	37,628	17,403	7,890	291	5,966	53,719
1937	36,881	17,315	7,548	237	6,110	47,094
1938	37,278	16,645	7,063	232	6,244	53,128
1939	37,278	16,581	6,364	234	6,236	58,365

The figures in this table are for the years 1870-1935 inclusive have been derived from the Federal Censuses for Iowa. These enumerations have been made as of different dates. Some enumerations were for a base date of January 1, others for a base date of April 1, and others for June 1.

The census enumerations made in 1920, 1925 and 1935 were for January 1. For comparability the enumerations made for the base dates of April 1 and June 1 were adjusted to an equivalent January 1 base. This adjustment procedure places the livestock data of the above table on the one inventory date of January 1.

The figures for 1936, 1937, 1938 and 1939 for all cattle and milk cows are estimates of the Division of Agricultural Statistics of the Iowa Department of Agriculture and those for horses, mules, hogs and sheep are adjusted state farm assessors' figures.

The adjusted county figures for horses, mules, hogs and sheep for the last four years in the table are more nearly accurate then those in Table 17 and comparison with these figures will provide an estimate of the bias displayed by the unadjusted state farm assessors' figures.

*Includes Milk Cows.

TABLE 17
LIVESTOCK NUMBERS
By Townships

Township	1936					1937				
	Horses	Mules	Cattle	Sheep	Hogs	Horses	Mules	Cattle	Sheep	Hogs
Buffalo	623	56	2630	237	3805	538	32	2718	433	3300
Center	625	9	3408	118	3772	608	10	3350	160	2903
Eden	501	19	2118	420	2623	465	17	2145	395	2248
Forest	659	25	2877	193	3107	602	24	2780	383	2754
Grant	660	8	2782	483	4359	613	6	2734	126	3303
King	540	24	2465	422	3233	528	14	2274	369	2911
Lincoln	482	15	2205	184	2809	455	12	2043	215	2765
Linden	625	11	2620	574	3312	596	13	2744	584	3182
Logan	493	25	2475	454	2570	469	22	2467	343	2162
Mt. Valley	742	20	4103	340	4350	699	18	4171	358	3461
Newton	713	2	3209	377	4571	657	5	2987	548	3737
Norway	557	19	2844	39	2903	541	17	2839	30	2074
ALL TOWNS	101	6	537	35	407	104	7	552	54	300
COUNTY	7321	239	34273	3876	41821	6875	197	33804	3998	35100

	1938					1939				
Buffalo	480	41	2502	368	3645	443	50	2562	576	4377
Center	579	8	3216	141	3379	485	14	3286	265	4751
Eden	433	15	2199	504	2320	413	18	2087	301	2731
Forest	592	11	2587	391	3172	520	13	2490	195	3625
Grant	565	14	2774	447	3636	525	19	2636	696	4601
King	485	24	2275	343	3223	422	11	2215	442	3229
Lincoln	400	15	2198	251	2240	396	14	2171	276	2789
Linden	589	9	2600	492	3173	543	6	2477	672	3827
Logan	443	19	2432	448	2442	389	16	2516	472	3456
Mt. Valley	692	14	4064	481	4531	633	11	3814	249	4688
Newton	606	8	3143	388	3495	546	–	2914	229	4648
Norway	545	12	2907	44	2862	473	17	2933	68	3239
ALL TOWNS	83	7	323	40	514	85	11	568	42	511
COUNTY	6492	197	33392	4338	38632	5873	200	32669	4483	46468

The statistics in this table are biased downward. They are printed only to permit inter-township and inter-annual comparisons. Unless townships are equal in size, comparisons may not be directly made. It is assumed that individual assessors are subject to approximately the same bias. Compare Table 16 for magnitude of the bias.

Source: Division of Agricultural Statistics, Iowa Department of Agriculture.

TABLE 18

CREAMERY STATISTICS

Year	Number of Creameries In County	Butter Made	Butter Sold In Iowa	Butter Sold Out Of Iowa
		Thousand Pounds	Thousand Pounds	Thousand Pounds
1905	9	1,142	104	1,038
1906	8	1,466	125	*
1907	7	1,497	129	*
1908	7	1,610	144	*
1909	7	1,491	139	*
1910	7	1,568	139	*
1911	6	1,640	138	*
1912	7	1,609	192	1,417
1913	8	1,714	171	1,543
1914	8	1,640	202	1,438
1915	8	1,561	241	1,330
1916	8	1,518	215	1,303
1917	8	2,207	468	1,130
1918	9	1,473	233	1,580
1919	8	1,408	206	1,373
1920	8	1,234	226	1,008
1921	8	1,386	265	1,121
1922	8	1,721	292	1,429
1923	8	1,889	297	1,586
1924	8	2,151	327	1,846
1925	8	2,522	357	2,165
1926	8	2,587	359	2,226
1927	8	2,553	357	2,195
1928	8	2,593	359	2,231
1929	8	2,825	364	2,461
1930	8	2,855	415	2,439
1931	8	2,905	444	2,459
1932	8	3,081	1,060	2,017
1933	8	3,223	1,112	2,108
1934	8	3,130	1,326	1,798
1935	8	2,884	1,702	1,180
1936	8	2,990	1,816	1,074
1937	8	2,905	2,870	24
1938	8	3,053	2,546	505

The sum of the two columns "Butter Sold In Iowa" amd "Butter Sold Out of Iowa" is not intended to equal the second column "Butter Made", because stocks of butter on hand at the end of the year and butter used for miscellaneous purposes are not included in this table.

*Not given in source. Source: Division of Agricultural Statistics, Iowa Department of Agriculture.

TABLE 19

CHICKENS AND EGGS
1880-1935

Year	Chickens	Eggs Produced
	Number	Dozen
1880	12,107	43,102
1885	21,447	66,446
1890	35,732	173,897
1895	88,064	279,671
1900	121,108	548,950
1905	124,806	510,103
1910	157,816	600,535
1915	219,434	897,307
1920	202,993	878,410
1925	263,006	1,124,877
1930	284,391	1,619,606
1935	322,462	1,842,284

Source: U. S. Agricultural Census,
Iowa Agricultural Census.

TABLE 20
NUMBER OF FARMS REPORTING SPECIFIED ITEMS

Year	Number of Farms	GRAIN CROPS								
		Corn	Oats	Winter Wheat	Spring Wheat	Barley	Rye	Buck-wheat	Soy-beans	Flax-seed
1930	1596	1492	1399	7	24	460	34	0	1	63
1932	1616	1508	1419	4	14	280	9	1	5	1
1934	1627	1535	1440	1	31	181	19	1	17	33
1936	1642	1542	1434	6	31	134	29	1/	11	13
1938	1653	1568	1486	8	50	114	32	1/	32	19
Average	1627	1529	1436	5	30	234	25	1	13	26

Year	HAY CROPS									Wild Hay
	Pop-corn	Clover and Timothy	Alfalfa	Soy-bean	Grain Cut Green	Clover	Timothy	Sudan Grass	Other Tame Hay	
1930	0	635	543	11	1/	23	167	14	81	569
1932	3	363	805	31	77	45	202	62	154	526
1934	0	215	942	396	293	22	75	295	648	513
1936	5	297	1148	142	94	1/	1/	1/	182	504
1938	1	254	1170	331	40	1/	1/	1/	291	492
Average	2	353	922	182	126	30	148	124	271	521

Year	GRASS SEED			All Pasture	LIVESTOCK					
	Timothy	Red & Alsike Clover	Sweet Clover		Horses	Mules	Cattle	Sheep	Hogs	Sows for Spring Farrow
1930	5	0	2	1567	1/	1/	1/	1/	1/	1265
1932	5	8	1	1536	1/	1/	1/	1/	1/	1216
1934	2	0	7	1547	1/	1/	1/	1/	1/	1237
1936	1	3	14	1588	1421	89	1420	188	1363	1222
1938	0	0	6	1556	1407	88	1495	200	1377	1321
Average	3	2	6	1559	1414	88	1458	194	1370	1252

Year	EQUIPMENT				MISCELLANEOUS					Other Crops
	Trac-tors	Trucks	Autos	Radios	Pota-toes	Apples	Timber and Wood	Waste-land	Idle Crop Land	
1930	386	186	1359	582	350	0	31	299	26	106
1932	406	139	1354	413	371	25	54	414	64	104
1934	453	128	1394	684	492	2	86	454	655	308
1936	740	115	1408	1149	452	22	66	420	326	304
1938	983	128	1461	1303	1/	1/	66	466	460	302
Average	594	139	1395	826	416	12	61	411	306	225

1/ Not given in source.

Source: Division of Agricultural Statistics, Iowa Department of Agriculture.

TABLE 21
FARM AND LAND TENURE

Year	OWNERS				PART-OWNERS			
	No. of Farms	% of Total	No. of Farm Acres	% of Total	No. of Farms	% of Total	No. of Farm Acres	% of Total
1928	641	40.7	88,830	35.1	98	6.2	19,747	7.8
1930	623	39.1	84,040	33.9	90	5.7	17,812	7.2
1932	620	38.4	82,776	33.2	117	7.3	22,401	9.0
1934	565	34.7	73,098	29.1	104	6.4	20,382	8.1
1936	598	36.4	79,092	31.3	119	7.3	23,379	9.3
1938	667	40.5	89,100	35.4	105	6.4	20,912	8.3
1928 - 38 Average	619	38.3	82,823	33.0	105	6.5	20,772	8.3

Year	TENANTS				TOTALS			
	No. of Farms	% of Total	No. of Farm Acres	% of Total	No. of Farms	% of Total	No. of Farm Acres	% of Total
1928	837	53.1	144,285	57.1	1,576	100	252,862	100
1930	879	55.2	145,814	58.9	1,592	100	247,666	100
1932	876	54.3	143,849	57.8	1,613	100	249,026	100
1934	958	58.9	157,925	62.8	1,627	100	251,405	100
1936	925	56.3	150,164	59.4	1,642	100	252,635	100
1938	876	53.1	141,804	56.3	1,648	100	251,816	100
1928 - 38 Average	892	55.2	147,307	58.7	1,616	100	250,902	100

Source: Division of Agricultural Statistics, Iowa Department of Agriculture.

TABLE 22
YEARS OF TENURE
January 1, 1935

Owners	Winnebago County		State of Iowa	
	Number of Farms	Percent of County Total	Number of Farms	Percent of State Total
On present farm less than 1 year	13	2.2	4,442	5.2
1 year	26	4.4	3,198	3.8
2 years	14	2.4	3,282	3.8
3 years	18	3.0	2,857	3.4
4 years	21	3.5	3,228	3.8
5-9 years	101	17.1	11,726	13.8
10-14 years	84	14.2	11,279	13.2
15 years and over	315	53.2	45,076	53.0
TOTALS	592	100.0	85,088	100.0
Tenants				
On present farm less than 1 year	179	20.0	21,763	20.1
1 year	134	15.0	15,053	13.9
2 years	73	8.2	11,555	10.7
3 years	35	3.9	8,285	7.7
4 years	70	7.8	7,564	7.0
5 years and over	404	45.1	43,826	40.6
TOTALS	895	100.0	108,046	100.0

Source: U. S. Agricultural Census.

TABLE 23
FREQUENCY DISTRIBUTION OF FARMS BY SIZE CLASSES

Acres in Farms	Number of Farms											
	1928		1930		1932		1934		1936		1938	
	No. of Farms	% of Total	No. of Farms	% of Total	No. of Farms	% of Total	No. of Farms	% of Total	No. of Farms	% of Total	No. of Farms	% of Total
0- 9	23	1.46	26	1.63	40	2.48	30	1.84	35	2.13	33	2.00
10- 29	62	3.93	58	3.64	65	4.03	63	3.87	67	4.08	60	3.64
30- 49	46	2.92	62	3.89	50	3.10	55	3.38	56	3.41	61	3.70
50- 69	34	2.16	35	2.20	39	2.42	36	2.21	37	2.25	34	2.06
70-109	285	18.08	306	19.22	309	19.16	315	19.36	315	19.19	313	18.99
110-149	212	13.45	196	12.31	195	12.09	213	13.09	208	12.67	212	12.87
150-189	515	32.68	525	32.98	536	33.23	527	32.39	546	33.25	549	33.31
190-229	114	7.23	112	7.04	109	6.76	112	6.88	111	6.76	115	6.98
230-269	130	8.25	133	8.35	134	8.31	140	8.61	132	8.04	139	8.44
270-309	39	2.47	34	2.14	31	1.92	34	2.09	40	2.44	45	2.73
310-349	79	5.01	69	4.33	72	4.46	69	4.24	64	3.90	58	3.52
350-389	11	.70	13	.82	11	.68	12	.74	9	.55	8	.49
390-429	16	1.02	6	.38	8	.50	10	.62	8	.49	8	.49
430-469	2	.13	5	.31	8	.50	3	.19	3	.18	6	.36
470-509	5	.32	7	.44	3	.18	4	.25	3	.18	2	.12
510-549	0	0	0	0	0	0	0	0	2	.12	1	.06
550-589	0	0	2	.13	0	0	1	.06	0	0	1	.06
590-629	0	0	0	0	1	.06	0	0	1	.06	1	.06
630-669	0	0	0	0	0	0	1	.06	1	.06	1	.06
670-709	1	.06	0	0	1	.06	0	0	2	.12	0	0
710-over	2	.13	3	.19	1	.06	2	.12	2	.12	1	.06
Total Farms	1576	100.00	1592	100.00	1613	100.00	1627	100.00	1642	100.00	1648	100.00

Source: Division of Agricultural Statistics, Iowa Department of Agriculture.

TABLE 24
AUTOS, TRUCKS, TRACTORS AND RADIOS
1926-1939

Year	Automobiles	Trucks	Tractors	Radios
1926	1,723	139	276	320
1927	1,738	181	330	421
1928	1,711	187	324	502
1929	1,675	169	373	562
1930	1,771	182	396	639
1931	1,711	176	392	601
1932	1,637	129	394	562
1933	1,539	129	412	426
1934	1,616	136	408	438
1935	1,638	131	463	688
1936	1,661	127	607	886
1937	1,639	118	773	1,153
1938	1,661	119	890	1,229
1939	1,744	127	1,025	1,312

Source: Division of Agricultural Statistics,
Iowa Department of Agriculture.

TABLE 25
ACREAGE OWNED BY CORPORATIONS
January 1, 1937

Township	Insurance Companies	Banks	Land & Mortgage Companies	Federal Land Banks	Joint Stock Land Banks	Others	Total	% Farm Land Corporate Owned
Mt. Valley	1986	-	-	-	-	30	2016	9.03
Forest	2785	-	240	235	-	-	3260	14.94
Linden	4665	267	320	-	1000	-	6252	29.28
Grant	3240	-	320	-	-	-	3560	15.53
Center	878	80	-	149	100	-	1207	5.74
Newton	3633	360	640	97	780	80	5590	25.16
King	6534	160	320	-	920	337	8271	37.47
Buffalo	6236	460	-	-	-	-	6696	30.11
Norway	1914	240	200	320	-	40	2714	16.20
Logan	2287	160	160	320	240	160	3327	18.99
Eden	4514	180	160	-	-	-	4854	25.32
Lincoln	1661	160	-	-	-	-	1821	10.05
County Total	40333	2067	2360	1121	3040	647	49568	20.03

Source: Department of Economics & Sociology, Iowa State College.

TABLE 26
ACREAGE OWNED BY CORPORATIONS
January 1, 1939

Township	Insurance Companies	Banks	Land & Mortgage Companies	Federal Land Banks	Joint Stock Land Banks	Others	Total	% Farm Land Corporate Owned
Mt. Valley	1935	-	-	160	-	190	2285	10.24
Forest	2975	-	-	155	200	75	3405	15.61
Linden	5225	-	150	-	600	-	5985	28.02
Grant	3280	-	320	-	-	-	3600	15.70
Center	1158	40	158	-	180	10	1546	7.36
Newton	4033	-	320	-	-	80	4433	19.95
King	6934	160	-	-	600	97	7791	35.29
Buffalo	6909	660	-	-	160	-	7729	34.75
Norway	1549	80	-	320	-	40	1989	11.87
Logan	2715	-	-	320	-	-	3035	17.32
Eden	4807	180	-	-	-	-	4987	26.02
Lincoln	2101	-	-	-	-	-	2101	11.59
County Total	43621	1120	958	955	1740	492	48886	19.75

Source: Department of Economics & Sociology, Iowa State College.

TABLE 27
VALUE OF FARM LAND AND BUILDINGS
1880-1935

Year	Number of Farms*	Number of Acres*	Value of Land	Value of Buildings	Value of Land and Buildings	Value of Land & Bldgs.	
						Per Acre	Per Farm
1880	664	73,846	$ -	$ -	$ 1,156,810	$ 15.66	$ 1,742
1890	975	131,023	-	-	2,071,180	15.81	2,124
1900	1,512	239,085	7,643,020	1,294,890	8,937,910	37.38	5,911
1910	1,425	237,666	13,846,085	2,616,370	16,462,455	69.27	11,553
1920	1,543	243,076	40,563,970	6,025,673	46,589,643	191.66	30,194
1925	1,696	246,959	28,898,592	8,184,647	37,083,239	150.16	21,865
1930	1,641	247,526	20,037,934	7,586,836	27,624,770	111.60	16,834
1935	1,753	251,611	-	-	18,543,273	73.70	10,578

*Differences in numbers of farms and acres reported in this table and in other tables in this bulletin are due to differences in sources of data.

Source: U. S. Agricultural Census.

TABLE 28

REAL PROPERTY AND MONEYS AND CREDITS TAXES
COLLECTIBLE IN 1939, FOR ALL PURPOSES
(Exclusive of Special Assessments)

	Cities and Towns	Rural Districts	Total for County
General State Tax	$ 6,153.26	$ 23,827.39	$ 29,980.65
Soldiers' Bonus Tax	2,039.13	4,400.93	6,440.06
General County Tax	4,615.07	17,870.56	22,485.63
Court Expense Tax	1,433.75	5,551.82	6,985.57
Poor Tax	4,615.07	17,870.56	22,485.63
Insane Tax, State Hospital	1,433.75	5,551.82	6,985.57
Insane Tax, County Hospital	-- --	-- --	-- --
County School Tax	1,021.40	3,955.36	4,976.76
Soldiers' Relief Tax	-- --	-- --	-- --
General County Bond Tax	5,328.87	20,634.51	25,963.38
Court House Tax	-- --	-- --	-- --
Emergency Tax	3,076.57	11,913.37	14,989.94
Bovine Tuberculosis Eradication	-- --	-- --	-- --
Secondary Roads - Construction	3,461.35	20,848.86	24,310.21
Secondary Roads - Maintenance	3,845.83	50,633.04	54,478.87
District School Tax	96,697.00	136,807.58	233,504.51
City Tax	41,079.15	-- --	41,079.15
Miscellaneous Taxes	3,150.20	234.80	3,385.00
Total	177,950.40	320,100.60	498,051.00

*Includes special one mill tax on moneys and credits for Soldiers' Bonus Bonds.

Source: 1939 Report,
State Board of Assessment and Review.

TABLE 29
NUMBER OF SCHOOLS BY TYPE

Type of School	Number of Schools		
	1928-29	1933-34	1938-39
1. Kindergarten	2	2	2
2. One-room (or more) rural elementary	78	75	76
3. Two-room (or more) rural elementary	-	-	-
4. Elementary, not rural	7	7	7
5. Separately organized Jr. High	2	1	-
6. Jr.-Sr. High, one organization	-	-	1
7. Separately organized Sr. High	2	1	6
8. Regular High, 4 years or less	5	6	-
9. Junior College	-	-	-
Total Number of Schools	96	92	92

TABLE 30
ENROLLMENT IN SCHOOLS BY TYPE

	Enrollment in Schools		
	1928-29	1933-34	1938-39
1. Kindergarten	62	63	62
2. One-room (or more) rural elementary	1422	1279	1091
3. Two-room (or more) rural elementary	-	-	-
4. Elementary, not rural	1028	1202	1109
5. *Jr.-Sr. High, one organization	474	194	1050
6. Regular High, 4 years or less	376	678	-
7. Junior College	-	-	-
Total Enrollment in all Schools	2362	3416	3312

*Includes enrollment for School Types 5, 6 and 7 in Table 29.

Source: Annual Reports of County Superintendents to State Department of Public Instruction.

TABLE 31
MILES OF ROADS BY TYPE
January 1,1939

Type of Surface	Primary Roads Outside Corporations	Secondary Roads		Total Mileage in Road System
		County Trunk	Local County	
Earth				
Unimproved	1.5	3.17	122.66	127.33
Improved	-	-	148.40	148.40
Surfaced				
Soil Surfaced	-	-	-	-
Shale	-	-	-	-
Gravel	17.9	109.51	323.72	451.13
Stone	-	-	-	-
Paved				
Bituminous	-	-	-	-
Concrete	32.8	-	-	32.80
Brick	-	-	-	-
County Total	52.2	112.68	594.78	759.66

Source: Annual Report, 1938,
Iowa Highway Commission.